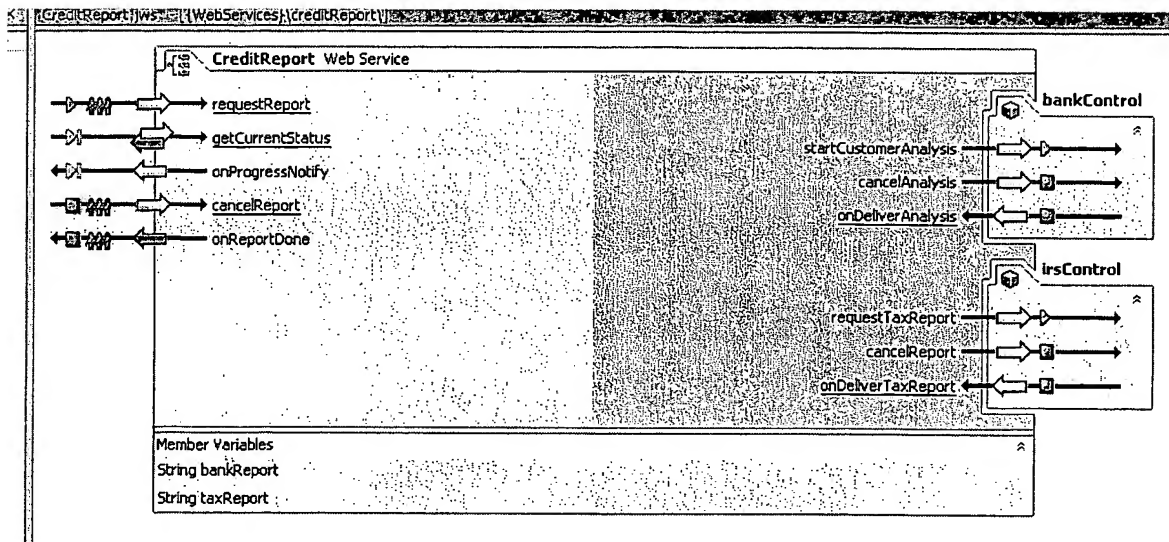


100FIG. 1

Title: SYSTEMS FOR TYPE-INDEPENDENT SOURCE CODE EDITING  
 Inventors: Pichler et al.  
 Appl. No.: Unassigned  
 Docket No.: BEAS-01439US1  
 Express Mail Mailing Label No.: EV 386 446 507 US  
 Telephone No.: 415-362-3800

Filing Date: Herewith  
 Attorney: Stephen R. Bachmann

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```

CreditReport.jws: [{(WebServices)(CreditReport)}]
package creditReport;

import weblogic.jws.control.JwsContext;

/**
 * <p>Credit reporting service. This service simulates constructing
 * a credit report from multiple secondary sources of information.
 * It uses two external services, one representing a bank and the
 * other representing the Internal Revenue Service (IRS).</p>
 *
 * <p>The @jws:conversation-lifetime max-idle-time tag controls how
 * long a conversational instance of this service will survive without
 * seeing activity.</p>
 *
 * <p>Conversations represent resources: they shouldn't be left around.</p>
 *
 * @jws:conversation-lifetime max-age="1 hour" max-idle-time="30 minutes"
 */

public class CreditReport
{
    /**
     * @common:control
     */
    private creditReport.IRSControl irsControl;

    /**
     * @common:control
     */
    private creditReport.BankControl bankControl;

    /** @common:context */
    JwsContext context;

    /**
     * <p>ReportResult is an inner class used to represent a complete
     * credit report. It is used to return report responses to
     * the client.</p>
     *
     * <p>Inner classes that are used outside the parent class
     * MUST be declared "public static" and they MUST have
     * a public no-argument constructor.</p>
     */
    public static class ReportResult implements java.io.Serializable
    {
        public String bank;
        public String tax;

        public ReportResult() {}
    }
}

```

FIG. 2

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```

index.jsp [(WebApp)\Biographies]
<!--Generated by Weblogic Workshop-->
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ page import="java.util.List,java.util.ArrayList,java.util.Iterator,databinding.DataBean" %>

<%
    if(request.getAttribute("dataBean") == null)
    {
        DataBean bean = new DataBean();
        ArrayList selectOptions = new ArrayList();
        selectOptions.add("Frodo");
        selectOptions.add("Gandalf");
        selectOptions.add("Samwise");
        ArrayList selectDefaults = new ArrayList();
        selectDefaults.add("Frodo");
        bean.setSelectOptions(selectOptions);
        bean.setSelectionDefaults(selectDefaults);
        request.setAttribute("dataBean", bean);
    }
%>

<html>
<head>
<netui:base/>
<link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
Index <title>
</title>
</head>

<body style="margin:0">
<jsp:include page="/resources/jsp/header.jsp"/> <br/>

<table width=100% align=left border=0>
<tr>
<td width=5>
    &nbsp;
</td>
<td width=296 valign="top">
    <netui:image url="../../resources/images/gollum5.jpg" height="158" width="294" />
</td>
<td valign="top">
    <p><b>Learn More About the Lord of the Rings Characters</b></p>

    <blockquote>
    <p>&nbsp;</p>
    <netui:form action="/selectedCharacter">

    <p>Select a character. then click Go!</p>

```

FIG. 3